



662882

SEQUENCE LISTING

<110> ARKRAY, Inc.

<120> PROCESS FOR PRODUCING GLUCOSE DEHYDROGENASES

<130> 10921.0287USWO

<140> US 10/526,049

<141> 2005-09-28

<150> PCT/JP2003/010541

<151> 2003-08-20

<150> JP 2002/253752

<151> 2002-08-30

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Met	Tyr	Asn	Gly	Ile	Val	His	Val	Glu	Lys	Ala	Glu	Arg	Ala	Gly	Ala	
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 Arg Pro Thr Cys Cys Gly Asn Asn Asn Cys Met Pro Ile Cys Pro Ile
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 Gly Ala Lys Leu Ile Glu Asn Ala Val Val Tyr Lys Leu Glu Thr Gly
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 Pro Asp Lys Arg Ile Val Ala Ala Leu Tyr Lys Asp Lys Thr Gly Ala
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 Glu His Arg Val Glu Gly Lys Tyr Phe Val Leu Ala Ala Asn Gly Ile
 275 280 285
 Glu Thr Pro Lys Ile Leu Leu Met Ser Ala Asn Arg Asp Phe Pro Asn
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 Gly Val Ala Asn Ser Ser Asp Met Val Gly Arg Asn Leu Met Asp His
 305 310 315 320
 Pro Gly Thr Gly Val Ser Phe Tyr Ala Ser Glu Lys Leu Trp Pro Gly
 325 330 335
 Arg Gly Pro Gln Glu Met Thr Ser Leu Ile Gly Phe Arg Asp Gly Pro
 340 345 350
 Phe Arg Ala Thr Glu Ala Ala Lys Lys Ile His Leu Ser Asn Leu Ser
 355 360 365
 Arg Ile Asp Gln Glu Thr Gln Lys Ile Phe Lys Ala Gly Lys Leu Met
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 Lys Pro Asp Glu Leu Asp Ala Gln Ile Arg Asp Arg Ser Ala Arg Tyr
 385 390 395 400
 Val Gln Phe Asp Cys Phe His Glu Ile Leu Pro Gln Pro Glu Asn Arg
 405 410 415
 Ile Val Pro Ser Lys Thr Ala Thr Asp Ala Ile Gly Ile Pro Arg Pro
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 Glu Ile Thr Tyr Ala Ile Asp Asp Tyr Val Lys Arg Gly Ala Ala His
 435 440 445
 Thr Arg Glu Val Tyr Ala Thr Ala Ala Lys Val Leu Gly Gly Thr Asp
 450 455 460
 Val Val Phe Asn Asp Glu Phe Ala Pro Asn Asn His Ile Thr Gly Ser
 465 470 475 480
 Thr Ile Met Gly Ala Asp Ala Arg Asp Ser Val Val Asp Lys Asp Cys
 485 490 495
 Arg Thr Phe Asp His Pro Asn Leu Phe Ile Ser Ser Ser Ala Thr Met
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662882

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 Pro Asp Thr Gly Asp Cys Met Ala Cys His Thr Val Lys Gly Gly Lys Pro Tyr Ala
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 Gly Gly Leu Gly Gly Ile Gly Lys Trp Thr Phe Glu Asp Phe Glu Arg Ala Val Arg
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 His Gly Val Ser Lys Asn Gly Asp Asn Leu Tyr Pro Ala Met Pro Tyr Val Ser Tyr
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 Ala Lys Ile Lys Asp Asp Val Arg Ala Tyr Ala Tyr Phe Met His Gly Val
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 Glu Pro Val Lys Gln Ala Pro Pro Lys Asn Glu Ile Pro Ala Leu Leu Ser Met Arg
 135 140 145 150
 Trp Pro Leu Lys Ile Trp Asn Trp Leu Phe Leu Lys Asp Gly Pro Tyr Gln Pro Lys
 155 160 165 170
 Pro Ser Gln Ser Ala Glu Trp Asn Arg Gly Ala Tyr Leu Val Gln Gly Leu Ala His
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 Cys Ser Thr Cys His Thr Pro Arg Gly Ile Ala Met Gln Glu Lys Ser Leu Asp Glu
 195 200 205
 Thr Gly Gly Ser Phe Leu Ala Gly Ser Val Leu Ala Gly Trp Asp Gly Tyr Asn Ile
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 Thr Ser Asp Pro Asn Ala Gly Ile Gly Ser Trp Thr Gln Gln Gln Leu Val Gln
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 Tyr Leu Arg Thr Gly Ser Val Pro Gly Val Ala Gln Ala Ala Gly Pro Met Ala Glu
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 Ala Val Glu His Ser Phe Ser Lys Met Thr Glu Ala Asp Ile Gly Ala Ile Ala Thr
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 Tyr Val Arg Thr Val Pro Ala Val Ala Asp Ser Asn Ala Lys Gln Pro Arg Ser Ser
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 Trp Gly Lys Pro Ala Glu Asp Gly Leu Lys Leu Arg Gly Val Ala Leu Ala Ser Ser
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 Gly Lys Gly Thr Pro Asp Gly Tyr Tyr Pro Ser Leu Phe His Asn Ser Thr Val Gly
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 Ala Ser Asn Pro Ser Asn Leu Val Gln Val Ile Leu Asn Gly Val Gln Arg Lys Ile
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 Gly Ser Glu Asp Ile Gly Met Pro Ala Phe Arg Tyr Asp Leu Asn Asp Ala Gln Ile
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 Ala Ala Leu Thr Asn Tyr Val Thr Ala Gln Phe Gly Asn Pro Ala Ala Lys Val Thr
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 Glu Gln Asp Val Ala Lys Leu Arg
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